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Same as No. 760, showing
a close view of a single tree.
Dec. 15, 1913. D.-761.



Dr. Bahiana's house. Dec. 15, 1913.
D.-762.



Rua Dr. J. J. Seabra,
Bahia. Dec. 15, 1913.
D.-763.



View in old city, Bahia.
Dec. 15, 1913. D.-764.



Orange venders near city market. Dec.
15, 1913. D.-764 $\frac{1}{2}$



View of lower city from head of elevator.
Dec. 15, 1913. D.-764 $\frac{3}{4}$



Native woman with Nicuri
fiber used in weaving hats.
We stopped at this house and
bought a cocoanut apiece, had
them opened and drank the milk.
Nov. 19, 1913. D.-765.



Young orange trees planted on a rather steep hillside. Location beyond the Bahia water works, out along the sea 12 or 15 miles from the city. Nov. 19, 1913. D.-766.



A typical home of a Brazilian native along the road 12 or 15 miles out from the city of Bahia, beyond the lands of the Municipality of Bahia. Nov. 20, 1913. D.-768.



Man and mule on Rua Victoria 82. Man with a chicken in his hand and leading a mule with packs filled with abacaxi. Mr. Bopenoe purchasing abacaxi. Nov. 20, 1913. D.-767.



Portion of a bamboo fence on the lowlands of Col. da Silva's place near Cabulla, a few miles out of Bahia. Nov. 21, 1913. D.-769.



View from the front gate of a neighbor of Col. de Silva's. To the right is a Pitanga hedge. The big tree to the left is a Tamarind. Nov. 21, 1913. D.-770.



One of the large churches in Bahia, south east of Rua Victoria 82 where we are boarding. Nov. 23, 1913. D.-771.



Rouses of the poorer class of residents
of Bahia, not far to the east of Rua Victoria
82. Nov. 23, 1913. D.-773.



A house near the bay
with the porch covered with
a very pretty and evidently
fast growing vine. Seed of
this were sent to Washington.
Nov. 23, 1913. D.-775.



A bull loaded with para grass for
market, on Rua Victoria St., near 82.
Nov. 23, 1913. D.-774.



From near the old fort on the bay west
of Rut Victoria 82, looking toward a church to
the right and the island across the bay beyond.
Nov. 23, 1917. D.-776.



1st section of panoramic view of water front and sailing boats, Bahia, Brazil.
Nov. 20, 1913. D.-777.



2nd section of panoramic view of water front. Bahia, Brazil. Nov. 20, 1913. D.-778.



3rd section of panoramic view of water front. Bahia, Brazil. Nov. 20, 1913.
D.-773.



Genipaneiro (*Genipa americana*) from Dr. Miguel Argollo's
place, Roma. Nov. 20, 1913. D.-780.



Imbuzeiro (*Spondias tuberosa*) from Dr. Miguel Arcollo's place. Nov. 20, 1913.
D.-781.



Eugenia jambos tree. Mr. Argollo's place. Nov. 20, 1913. D.-782.



Rosa canina, cluster of fruit, near view. Dr. Miguel
Arrollo's place, Rome. Nov. 20, 1912. P.-583.



Rose mango tree. Mr. Argollo's place. Nov. 20, 1913. D.-764.



Red and yellow cashew fruits. Natural size. One to the left is red, above it is cross section, next one is yellow, one above it is stem end, next one a longitudinal section, one above it blossom or nut end. Nov. 22, 1913. D.-786.



Fruiting branch of *Schinus* sp. Nov. 23, 1913. D.-787.



Pensao Inglesa, Rua Victoria 82, Bahia, Brazil. Nov. 23, 1913. D.-708.



Row 2, tree 4, Mr. da Silva's place, Cabulla. Renewel tree, badly
gummed. Tree fairly well set with fruit. Nov. 21, 1913. D.-796.



Mangabeira tree in Mr. da Silva's orange
grove $7\frac{1}{2}$ feet from orange in Row 6, tree 10.
Nov. 24, 1913. D.-797.



Row 5, tree 6, Mr. de Silva's orchard, Cabulla. Old orange tree, badly diseased with gummosis. Nov. 24, 1913. D.-799.



Row 6, tree 3, Mr. Da Silva's orchard,
Cabulla. Old orange tree. Nov. 24, 1913. D.-800.



Pitanga hedge, near Mr. da Silva's place. Nov. 25, 1913. D.-808.



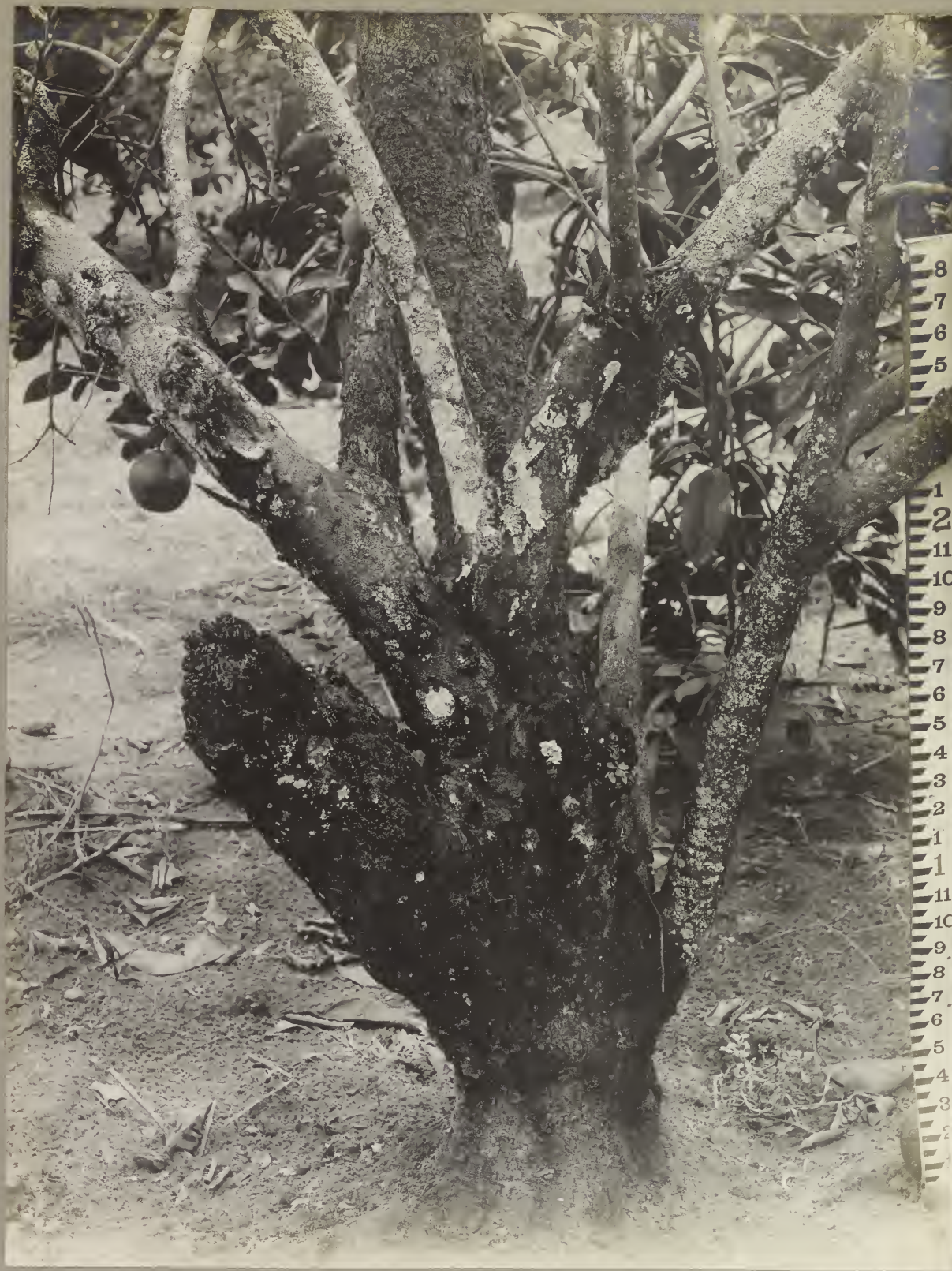
Pitanga hedge, near Mr. da Silva's place, from the north. Nov. 25, 1913.
D.-809.



Tamarind tree and Pitaranga hedge. Col. Barretto's place.
Nov. 25, 1913. D.-810.



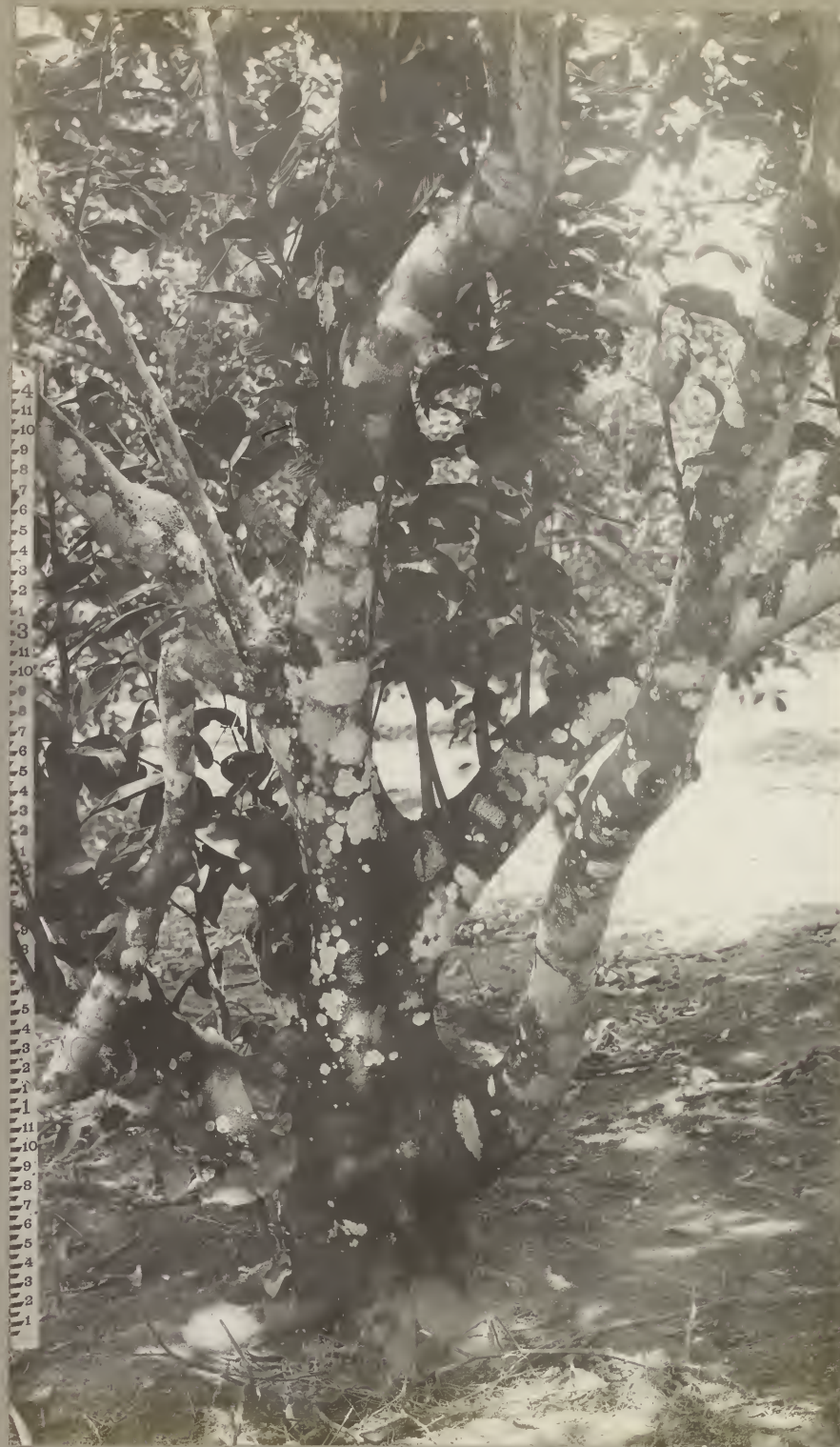
Surubau hedge and jackfruit tree and entrance to Mr.
da Silva's place. Nov. 25, 1917. D.-811.



Nevel orange from Mr. da Silva's grove, plot 1, row 2, tree 4. Entire tree showing form of removed tree with re-plant beside it. Nov. 25, 1917. D.-613.



Navel orange from Mr. de Silva's grove, plot 1, row 1,
tree 3. A healthy large tree. Nov. 22, 1913. D.-619.



Navel orange from Mr. da Silva's grove, plot 1, row 7, tree
7, trunk showing branching and suckering. Nov. 25, 1913. D.-823.



Mangabeira tree in Mr. Da Silva's orange grove.
Nov. 25, 1913. D. 824.



Old orange tree showing clinging Irva plant. Mr. da Silva's orchard.
Nov. 26, 1917. D.-826.



Nerva d. passerina on orange tree in Mr. da Silva's
Orchard. Nov. 26, 1913. D.-850.



Trunk of navel orange tree showing difference in growth
of stock and scion,. Mr. da Silva's place. Nov. 28, 1913.
D.-832.



Herva de passaremina on orlage tree. Mr. de Silva's place. Nov. 26, 1913.
D.-833.



Cocoanut tree in Mr. da Silva's orange orchard.
Nov. 26, 1913. D.-836.



Fruiting branch of Mangabeira tree in Mr. da Silva's orange orchard.
Nov. 26, 1913. D.-837.



Orange trunk with air plant on it. Mr.
da Silva's place, Cahulla. Nov. 27, 1913.
D.-636



View in plot No. 2 of orange grove on Mr. da Silva's place, Caluella.
Nov. 27, 1913. D.-841.



Part of Mr. de Silva's place, Ceylon,
showing grove, looking from hill opposite.
Nov. 27, 1917. D.-842.



Part of Mr. da Silva's orange grove from hill opposite. Nov. 27, 1913.
D.-843.



Dr. Fortunato da Silva's house, Catalla, with Dr. da Silva in front.
Nov. 27, 1913. D.-844.



Tree, probably a *Cicca*, acid fruit, on
Mr. Pa Silva's place. Nov. 27, 1913. D.-845.



Fruit and body of No. 845, probably a Cicca tree, acid fruit, on Mr. da Silva's place. Nov. 27, 1913. D.-846.



Jaboticaba tree, Mr. da Silva's place, showing habit of growth. The seed of the fruit of this tree are white. Nov. 27, 1913. D.-847.



Grumixama tree on Mr. da Silva's place.
Nov. 1913. D.-848.



Body of GraniXena tree shown in No. 648.
Nov. 27, 1913. D.-849.



Virgin forest back of orange grove on Mr.
da Silva's place, Cabulla. Nov. 27, 1913.
D.-851.



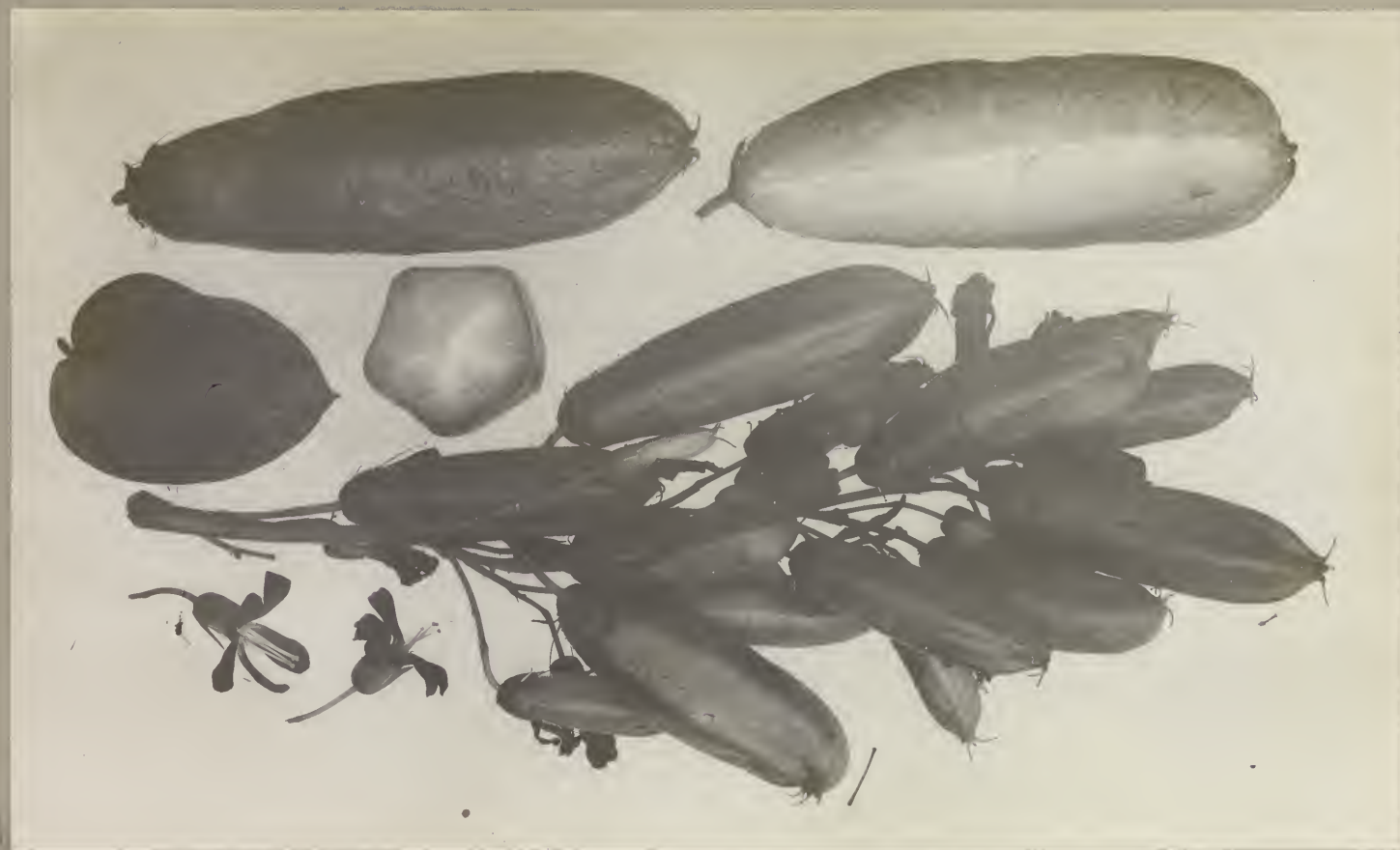
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Stem and section of navel orange, plot 1, row 1, tree 3,
from Mr. da Silva's grove, taken at Rua Victoria 82. Nov. 27, 1913.
D.-855.



End view of navel orange, from plot 1, row 1, tree 3, Mr. da
Silva's orange grove, taken at Ru. Victoria 82. Nov. 27, 1913.
D.-856.



Fruiting branch of Pitanga (*Eugenia uniflora*), taken at Rua Victoria 82.
Nov. 27, 1913. D.-868.



Flowers and fruit of Biriliri, from Mr. da Silva's place, taken at Rua
Victoria 82. Nov. 27, 1913. D.-870.



Grunizama (*Stenocalys brasiliensis.*) Nov. 27, 1913. D.-871.



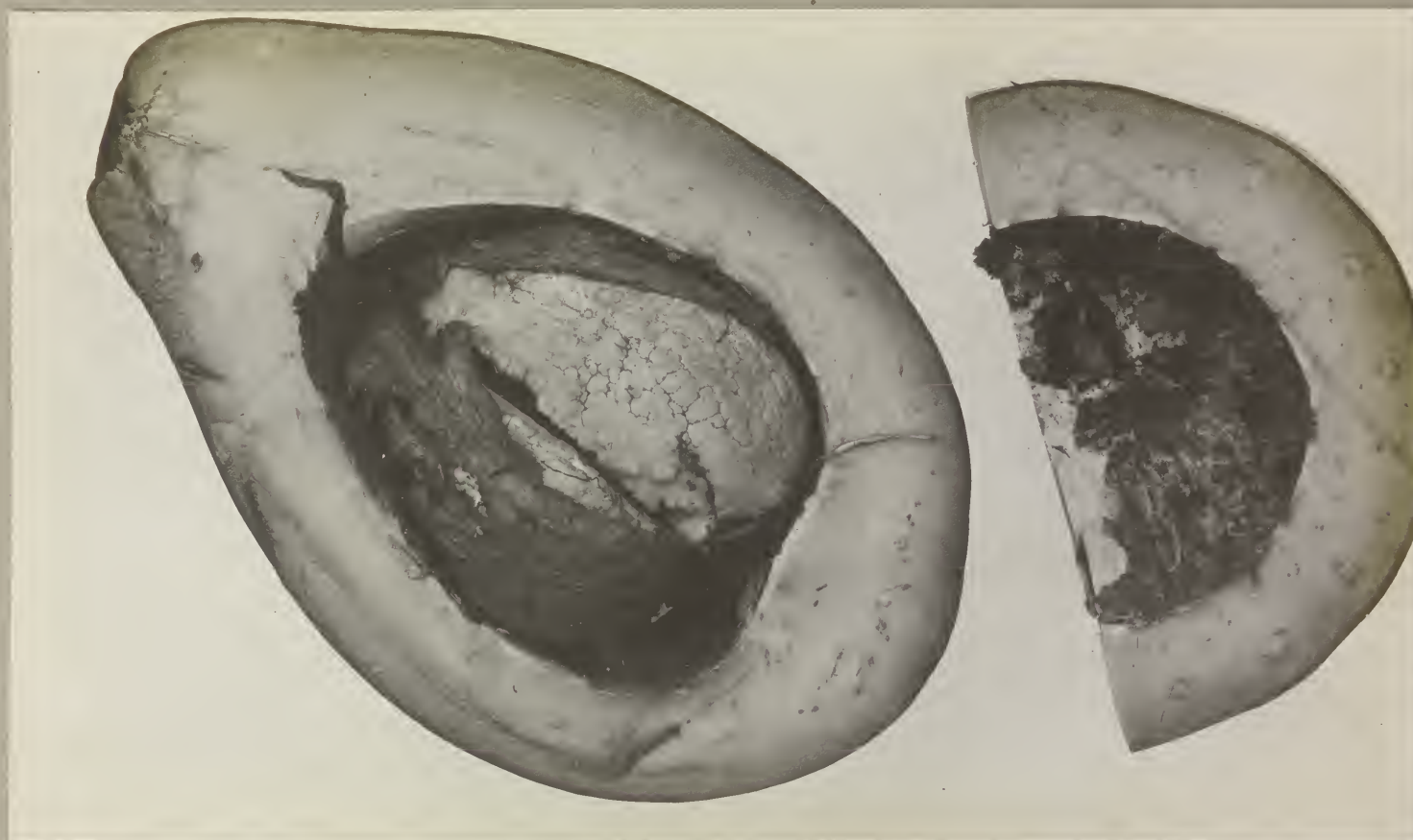
Clay fungus and herva da passarinha on
orange branches from Mr. da Silva's place.
Taken at Rua Victoria 82. Nov. 27, 1913.
D.-882.



Plate of Pitangas from Mr. da Silva's place. Natural size.
Taken at Rua Victoria 62. Nov. 27, 1912. D.-883.



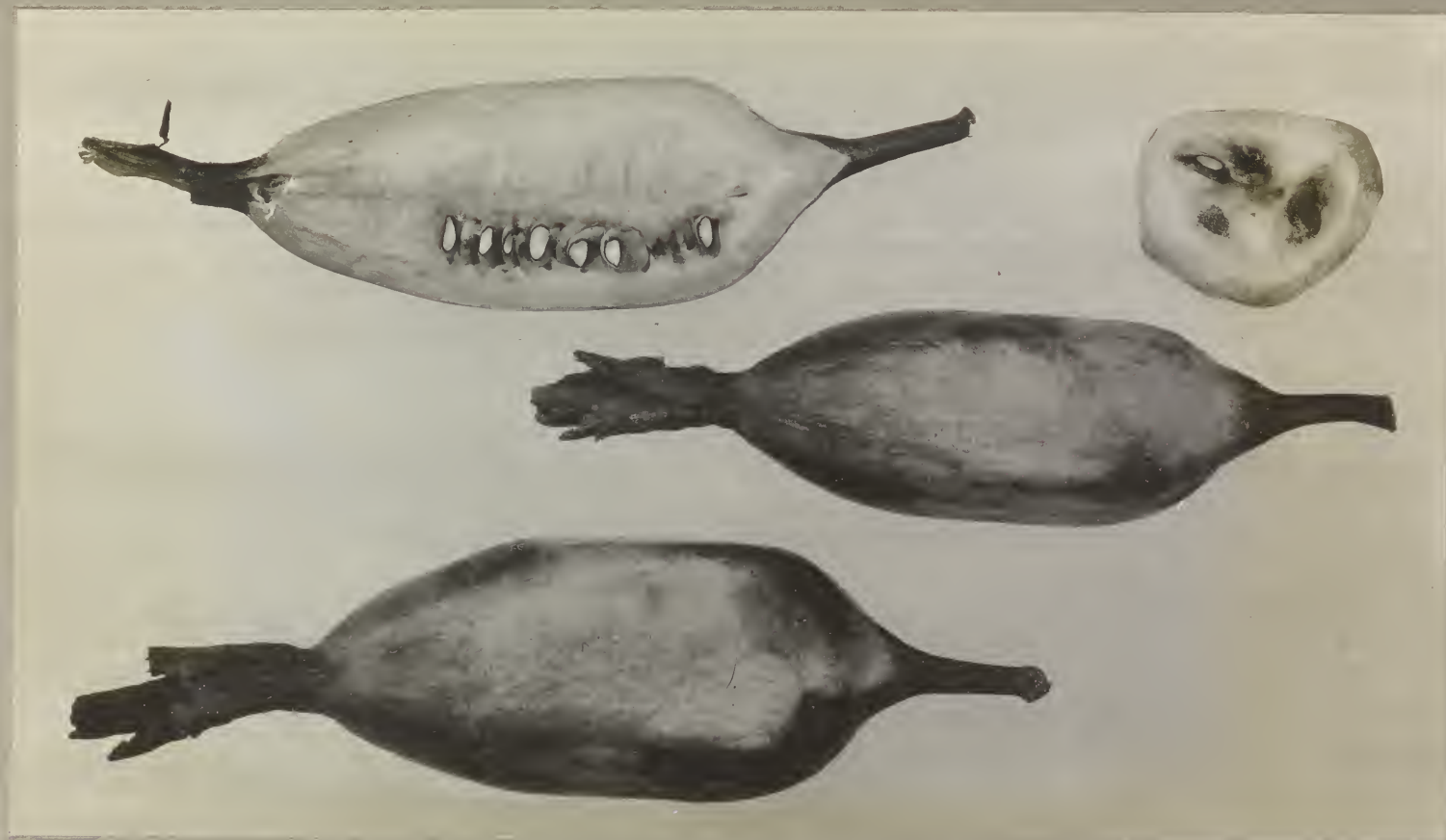
Sectional view of Avocado No. 1, natural size. Same fruit as 909.
Taken at Rua Victoria 82. Nov. 29, 1917. D.-902.



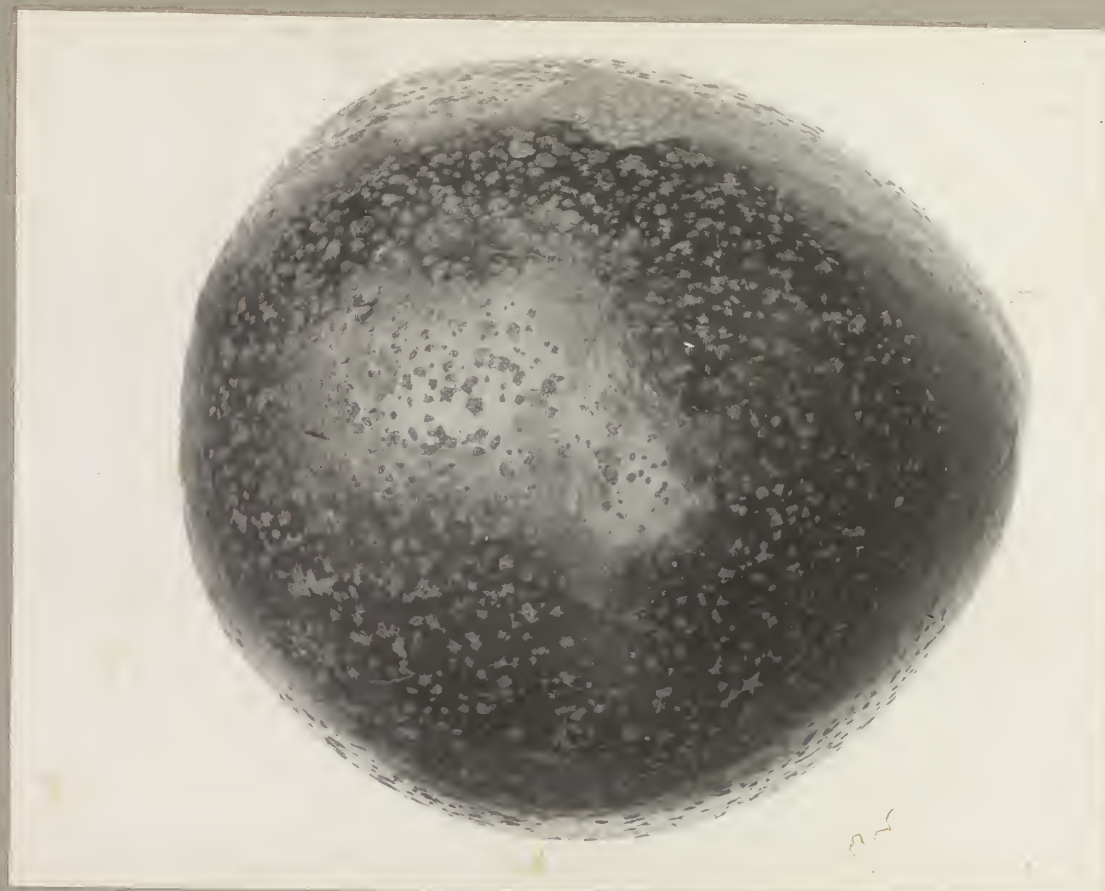
Sectional view of Avocado No. 2. Same fruit as No. 910. Taken at Rua
Victoria 82. Nov. 29, 1913. D.-903.



Avocado No. 3, purple hole and $\frac{1}{2}$ fruit. Natural size. Taken at Rua
Victoria 82. Nov. 29, 1912. D.-904.



Gravata. Fruit purchased in the market. 100 Reis for 6 fruits.
White background; natural size. Nov. 29, 1913. D.-905.



Avocado No. 1, 700 grams, bought in the market; outside view;
natural size. Same fruit as No. 902. Nov. 29, 1913. D.-909.



Avocado, pyriform. No. 903 is a sectional view of this avocado.
Nov. 29, 1913. D.-810.



Pomegranate; natural size, whole fruit and section of fruit.
Nov. 29, 1913. D.-911.



Panorama of Mr. Lago's orange grove. Dec. 12, 1913. D.-931



Panorama of Mr. Lago's orange grove. Dec. 12, 1913. D.-932.



Panorama of Mr. Lago's orange grove. Dec. 12, 1913. D.-933.



Panorama of Mr. Lago's orange grove. Dec. 12, 1913. D.-934.



Panorama of orange grove. The first orange grove we visited when we first landed in Brazil. Dec. 12, 1913. D.-935.



Panorama of orange grove at the orchard first visited by us.
Dec. 12, 1913. D.-936.



Plot 2, row 6, tree 1, orange, bearing a heavy crop of Dec. fruit. This tree has a record of 44 fruit for a June crop and 32~ for a Dec. crop. Budwood was secured from this and the one just back of it. Mr. da Costa's place. Dec. 6, 1913. D.-949.



Residence of Co. da Costa, Matatu. Dec. 6, 1913. D.-951.



Breadfruit tree, Col. F. da Costa's place, Matatu.
Dec. 6, 1913. D.-953.



Cow, daughter of zebu bull and mestico cow. Col. F. da Costa's place.
Dec. 8, 1913. D.-954.



Orange grove on a hillside. Col. F. Da Costa's place. Dec. 6, 1913. D.-955



Section of Col. T. da Costa's orange grove from the top of an old stump.
Dec. 6, 1913. D.-956.



Large navel orange tree in Col. F. da Costa's grove.
Eight main branches; trunk 56 inches in circumference; about
twenty feet high. Dec. 6, 1913. D.-957.



Cluster of Navel Oranges on tree. Col. da Costa's place,
Matatu. Dec. 6, 1912. D.-958.



View from the upstairs of Col. da Costa's home, looking a little south west down the avenue. Dec. 8, 1913. D.-959.



Col. F. da Costa and family. Col. da Costa is 67 years old.
Dec. 8, 1913. D.-963.



Col. F. da costa's house. The Col. and his family standing in
front. Dec. 8, 1913. D.-265.



Col. F. da Costa and Dr Argollo Ferrao
near an orange tree in Col. F. da Costa's
orchard. Dec. 8, 1913. D.-967.



Col. F. da Costa, Mr. A. D. Shamel, Mr.
F. W. Popenoe, and Mr. P. H. Dorsett, standing
by an orange tree in the Colonel's orchard.
Dec. 8, 1913. D.-968.



Col. F. da Costa handing Mr. A. D. Shamel
a Bahia orange. Col. da Costa's place. Dec. 8,
1913. D.-969.



Col. F. da Costa standing by an orange tree
near his home at Matatu. Dec. 8, 1913. D.-970.



Roadway in Col. La Costa's orange orchard.
Dendi palm in fore and background. Dec. 8, 1913.
D.-974.



Three carts on Col. da Costa's place. These are the standard carts used in this country. Dec. 8, 1913. D.-975.



One of Col. da Costa's hired men cutting Para grass in the citrus orchard. The grass is three to four feet high. Dec. 8, 1913. D.-976.



A portion of a row of young navel orange trees along the road
near the dairy barn at Col. F. da Costa's place. Dec. 8, 1913.
D.-977.



View of the east side of Col. F. da Costa's dairy shed from a short distance from the N. E. corner of the shed. Dec. 8, 1913. D.-978.



One of Col. F. da Costa's cows in the shed. This animal is
part zebu. Dec. 8, 1913. D. 979.



A Tourino bull, Holland cattle, grown in Portugal. One of Col. da Costa's bulls. Dec. 8, 1913. D.-980.



View of citrus nursery from the east side. Mr. Demetrio's place.
Dec. 3, 1913. D.-981.



Nearby view of budded stock of laranjas, that have been budded and recently cut off. Mr. Demetrio's place. Dec. 9, 1913. D.-982.



Col. Demetrio standing by four plants of
laranja da terra stock. Dec. 9, 1913. D.-984.



Seed bed of laranja da terra. Col. Demetrio's place.
Dec. 9, 1913. D.-985.



Cashew tree in Col. Demetrio's orange orchard. Spread of
16 paces or 48 feet. Dec. 9, 1913. D.-986.



Laranja da terra in Col. Demetrio's orchard.
Tree 6 years old; 18 inches in circumference; limbs
show lots of gummosis. Dec. 9, 1913. D.-987.



989

Orange tree just back of Col. Demetrio's house. Spreading top; pruned high. Dec. 9, 1913. D.-989.



Col. Demetrio's house, from the road. Dec. 9, 1913. D.-990.



Water fall in Col. Demetrio's orchard.
Dec. 9, 1913. D.-990¹/₂



Plot 1, row 1, tree 1, laranja da terra,
in Col. Demetrio's orchard. Dec. 10, 1913.
D.-992.



Ridge of cow manure as it is dumped from
a wheel barrow in the orchard between the trees.
Col. Demetrio's place. Dec. 10, 1913. D.-995.



General view between two rows of orange trees in a poor part of the orchard. Col. Demetrio's place. Dec. 10, 1917. D.-996.



Termite nest on an orange tree. Col.
Demetrio's place. Dec. 10, 1912. D.-997.



Araticum tree on Col. Demetrio's place.
Dec. 10, 1913. D.-998.



Navel bud sport of Col. Demetrio's in draw
near a small reservoir or little lake. Dec. 10,
1913. D.-999.



Showing roots of navel sport orange tree
bared by recent hard rain. The tree is in a
swale on Mr. Demetrio's place. Dec. 10, 1913.
D.-1001.



View down the road from Col. Demetrio's place. This is one of the principal orange growing sections. Dec. 10, 1913. D.-1002.



Native, gray horse, and cassuas filled with oranges, about 100 in each, taken from the first orchard we visited. Dec. 11, 1913. D.-1003.



Surucucu hedge with orange trees on the other side. Cabulla road. Dec. 11, 1913. D.-1004.



Herva da passarinna on orange tree in
Col. Lago's orchard. Dec. 11, 1913. D.-1005.



Grape arbor, american variety on Col. Lago's place. Mr.
Argollo thinks it Issabula(?). Dec. 11, 1913. D.-1006.



Col. Lago and family. Dec. 11, 1913. D.-1007.



House and group, Col. Lago's place. Dec. 11, 1913. D.-1008.



Miss Lindolpha Lago with painting of
laranja da umbiga. Dec. 11, 1913. D.-1009.



Col. Lago giving an orange to Mr. Shamel.
Col. Lago's place. Dec. 11, 1913. D.-1010.



Large mango tree showing trunk of large
limbs. Col. Lago's place. Dec. 11, 1912.
D.-1012.



Large Mango tree with Col. Lago, Mr. Popenoe, and Mr. Shamel
at its base. Col. Lago's place. Dec. 11, 1913. D.-1013.



Pitanga hedge in front of Col. Lago's house. Taken late in the evening. Dec. 11, 1913. D.-1014.



Col. Barretto's orange grove from the car line. Dec. 13, 1913.
D.-1014 $\frac{1}{2}$.



Continuation of last photo. Col. Barretto's orange grove.
Dec. 13, 1913. D.-1015.



Another view of Col. Barretto's orange grove. Dec. 13, 1913.
D.-101c.



Genipap tree near the car line. Dec. 13,
1913. D.-1017.



Para grass in bundles ready for market. Dec. 13, 1913. D.-1018.



The orange grove that we visited on our first stop at Bahia.
Dec. 13, 1913. D.-1019.



House in orchard we visited the first time we landed in Bahia.
Dec. 13, 1913. D.-1020.



Roadway leading to Cabulla, one of the
largest orange growing sections near Bahia,
Brazil. Dec. 13, 1913. D.-1021.



Looking south from the old bridge across a small stream on
Cabulla road and across a field of Para grass. Dec. 13, 1913.
D.-1022.



Pitanga hedge along the road in front of Col. Lago's house. Dec. 12, 1913. D.-1023.



Cocoanut avenue through orange grove on Col. Lago's place. Dec. 12, 1913. D.-1024.



Jackfruit tree on Col. Lago's place. Close view showing fruit. Dec. 12, 1913. D.-1025.



Large mango tree showing trunk and branches. West side
Col. Lago's place. Dec. 12, 1913. D.-1026.



Large mango tree showing trunk and branches. Col. Lagos
place. Dec. 12, 1913. D.-1027.



Jackfruit. Close view of a single fruit as it hangs naturally on the trunk of the tree, about six feet from the ground. Col. Lago's place. Dec. 12, 1913. D.-1029.



Residence of Col. Elvidio Esteres Assis, near Col. Lago's place. Dec. 12, 1913. D.-1030.



Tree No. 2, old navel orange in grove near
the house. 40 years old. Col. Barretto's place.
Dec. 13, 1913. D.-1031.



Annonaceous fruit tree. Col. Barretto's place.
Dec. 13, 1913. D.-1037.



View across valley from orange grove. Col. Barretto's place.
Dec. 13, 1913. D.-1038.



Avocado tree. Col. Barretto's place.
See No. 1050 for natural size fruit of this tree.
Dec. 12, 1913. D.-1039.



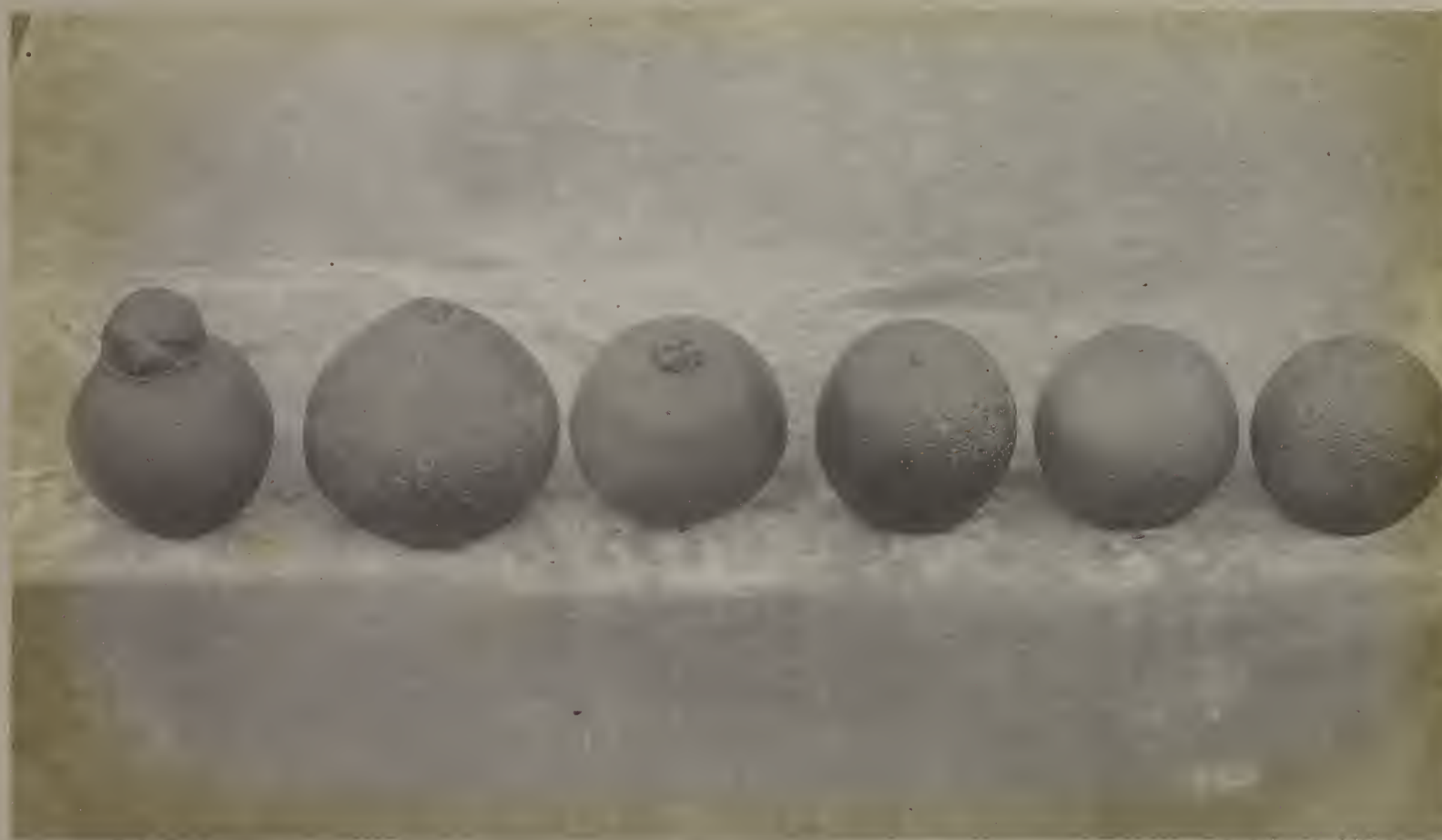
Oranges picked and sorted into piles at base of a tamarind tree. Two cassuas contained 160 small size and 74 large size. Col. Barretto's place. Dec. 13, 1917. D.-1041.



Dendi palm near the Cabulla car line.
Dec. 13, 1913. D.-1042.



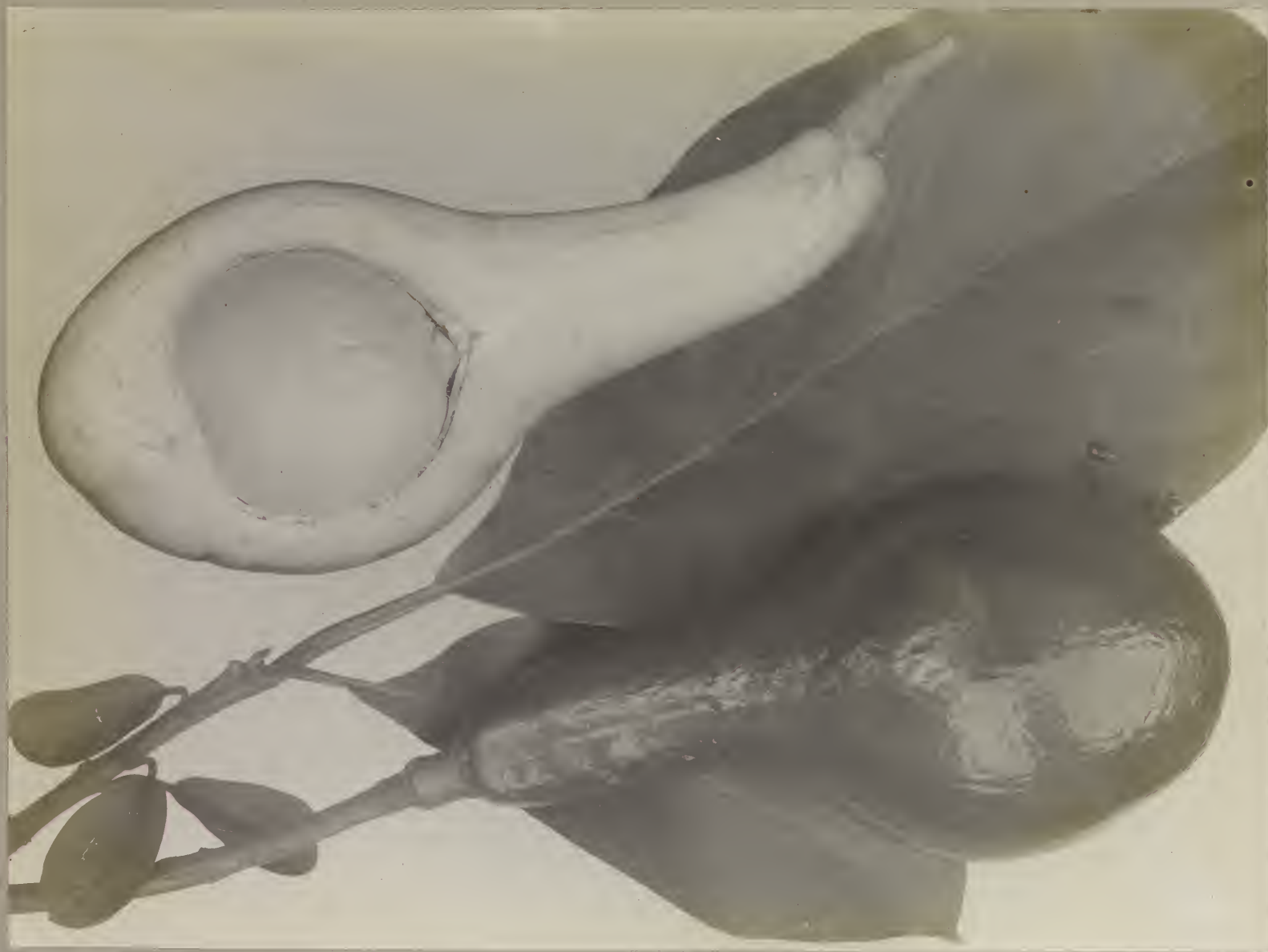
Navel fruit from plot 1, row 3, tree 10, from Col. Lago's place. Taken at
Rua Victoria 82. Dec. 13. 1913. D.-1046.



Collection of oranges showing different size navels. Taken at Rua Victoria
82. Dec. 13, 1913. D.-1048.



Araticum (annonaceae) From Col. Barretto's place. Natural size. Taken at
Rui Victoria 88. Dec. 14, 1913. D.-1049.



Avocado with very long neck, from Col. Barretto's place. Natural size.
Taken at Rua Victoria 82. For view of tree see No. 1039. Dec. 14, 1913. D.-1050.



Plant used for coloring rice. From Cabulla. Taken at
Rua Victoria 82. Dec. 14, 1913. D.-1051.



Pitomba fruit and foliage. From Elvidio Esteres Assis' place. Natural size. Taken at Rua Victoria 82. Dec. 14, 1913. D.-1052.



Australian type of navel orange. From Col. Lago's place. Taken at Rua
Victoria 82. Dec. 15, 1913. D.-1054.



Rosa Mango from Mr. Argollo's place. Single fruit on stem. Taken at Rua Victoria 82. Dec. 15, 1913. D.-1055.



Manga da Rosa From Mr. Argollo's place. One fruit and one seed. Taken at
Rua Victoria 82. Dec. 15, 1913. D.-1056.



Manga da Rosa. Fruit cut in halves and seed to show polyembryony.
Taken at Rua Victoria 82. Dec. 15, 1913. D.-1057.



Eugenia jambos from Mr. Argollo's place. Taken at Rua Victoria 82.
Dec. 15, 1913. D.-1058.



Imbu (*Spondias tuberosa*). Foliage, flowers and fruit.
Natural size. Taken at Rue Victoria 82. Dec. 15, 1913. D.-1062.



Seedling mango type from Itaperica. Small. Taken at Rua
Victoria 82, Dec. 24, 1913. D.-1065.



Seedling mango type from Itaparica. Long fruit. Taken
at Rua Victoria 82. Dec. 24, 1913. D.-1066.



Itamaraca and Augusta Mangos from Itaparica. Taken at Rua
Victoria 82. Dec. 24, 1913. D.-1067.



Espada (long) and Carlota (round) mangos from Itaparica.
Taken at Rua Victoria 82. Dec. 24, 1915. D.-1068.



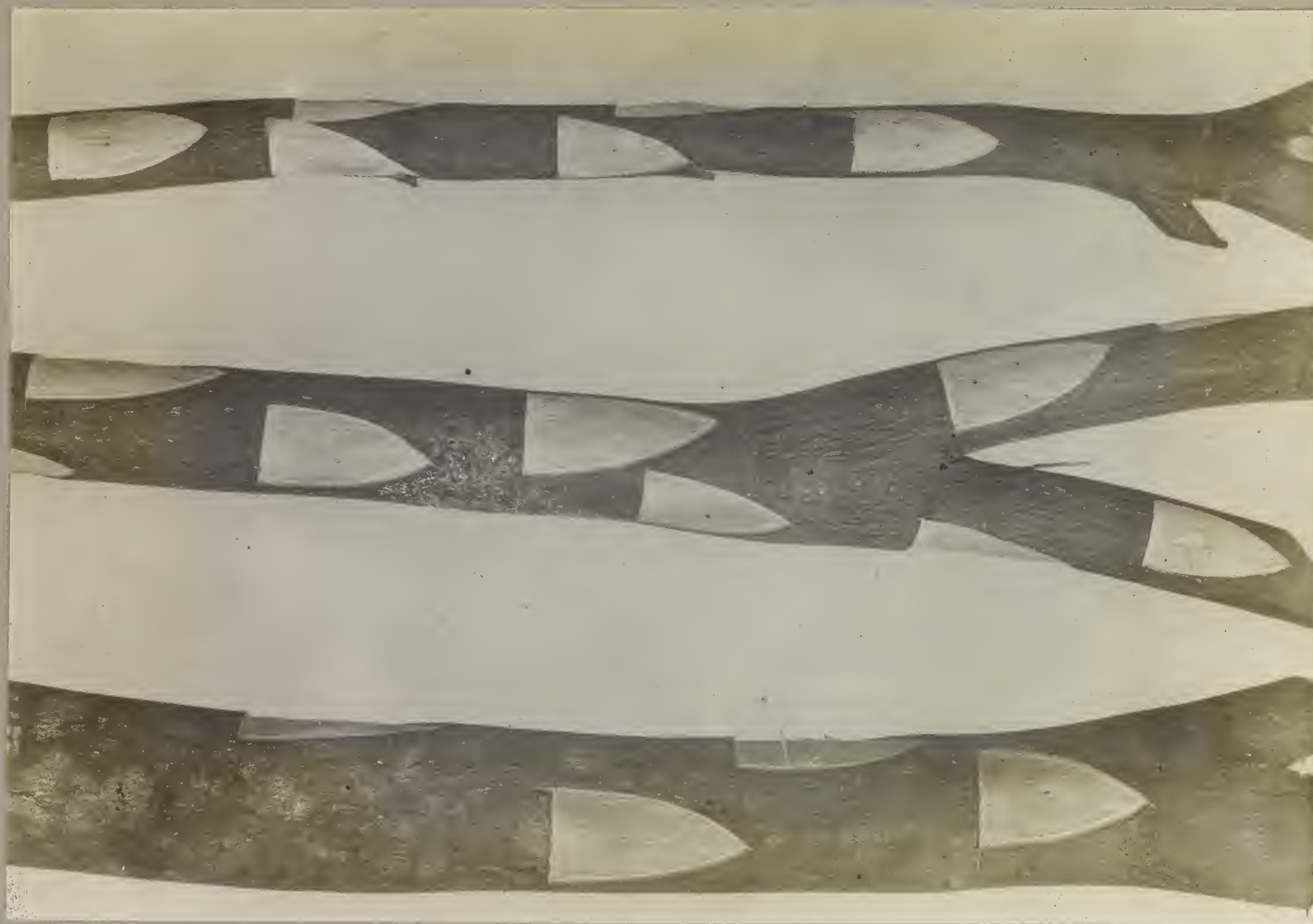
Seedling mango type from Itaparica. Taken at Rua Victoria 82.
Dec. 24, 1913. D.-1069.



Biriba (Annonaceous), from Itaparica.
Taken at Rua Victoria 82, Dec. 24, 1913. D.-
1070.



Leaf spot on orange. Species sent in. Taken at Rua Victoria
82. Dec. 25, 1913. D.-1072.



Budsticks, natural size, from which Col. Demetrio has taken buds and worked on laranja da terra stock. Taken at Rua Victoria 82. Dec. 16, 1913. D.-1073.



Tamarind. Fruit and foliage, natural size, from Col.
F. da Costa's place. Taken at Rua Victoria 82, Dec. 16, 1912.
D.-1074.



Oil nut. *Aleurites* sp.(?), from Col. da Costa's place.
Taken at Rua Victoria 82, Dec. 16, 1913. D.-1075.



Mangaba, foliage and fruit, from Col. Demetrio's place. Taken at Rua
Victoria 82, Dec. 16, 1913. D.-1076.



Mangaba, fruit and foliage. Natural size. From Col.
Deccos'. Taken at Rua Victoria 82. Dec. 16, 1913. D.-1077.



Tapetis for squeezing juice out of mandioca
after grinding. Col. Argollo's place. Dec.
18, 1913. D.-1081.



Rodette. Machine for grinding mandioca roots to make farinha.
Col. Argollo's place. Dec. 18, 1913. D.-1082.



Drive wheel of Rodette. Col. Argollo's place. Dec. 18, 1913.
D.-1083.



Furnace for drying farinha. Col. Argollo's place.
Dec. 18, 1913. D.-1084.



Large pitanga tree. Col. Argollo's place.
Dec. 18, 1913. D.-1085.



View under cacao trees. Co. Argollo's place. Dec. 18, 1913.
D.-1086



Banana da oura. Cluster of fruit on
plant. Col. Argollo's place. Dec. 16, 1913.
D.-1087.



Bamboo fence. Col. Argollo's place. Dec. 18, 1913. D.-1088.



Laranja lima tree at Col. Argollo's place.
Dec. 18, 1913. D.-1089.



Col. Argollo and family. Dec. 18, 1913. D.-1091.



Wild abacaxi plant. Col. Argollo's place. Dec. 18, 1913.
D.-1093.



Wild abacaxi in fruit. Col. Argollo's
place. Dec. 18, 1913. D.-1094.



Gravata plant, near Col. Argollo's place. Dec. 18, 1913.
D.-1095.



Avocado tree in Col. Demetrio's orchard,
25 feet high. Fruit round and about the size
of a green walnut. Trunk of tree 10 to 12
inches in diameter. Dec. 20, 1913. D.-1101.



Looking between two rows of avocado trees at Col. Demetrio's
place. Dec. 22, 1913. D.-1102.



One of the largest avocado trees on Col. Demetrio's place. The fruit is round and about the size of a walnut. The tree is 13 to 18 inches in diameter. Dec. 20, 1913. D.-1103.



Nearby view of Mangrove tree trunk, showing how the tree at one time was tarped.
Dec. 20, 1913. D.-1104.



Nicari palm in a pasture near Col. Lago's
place. Dec. 20, 1913. D.-1105.



Niouti palm in a pasture near Col.
Demetrio's place. Dec. 22, 1913. D.-1106.



Mangabeira tree in a pasture near Col. Demetrio's place. It shows the scars of tapping. Dec. 20, 1913. B.-1107



Showing a group of Picuri palms in a pasture near Col.
Demetrio's place. Dec. 20, 1913. D.-1108.



Pitamba tree, ripening fruit now. On Mr. da Silva's place.
Dec. 20, 1913. D.-1109.



Picking mangos at Itaperica.
Dec. 24, 1912. D.-1111.



Picking mangroes, with a man on the ground
catching them, at Itaperica. Dec. 24, 1913.
D.-1112.



Mango augusta. Grafted tree at Itaparica. Dec. 24, 1913.
D.-1113.



Manso Pao Sa Lot. A large tree. Itarico. Dec. 24, 1917.
D.-1115.



Group on Itaipu. Dec. 24, 1913. D.-1116.



Caju tree. Itaparica. Dec. 24, 1917. D.-1117.



Mango tree, Alto da Santo Antonio, Itaparica. Dec. 24, 1913.
D.-1118.



Native hut in construction at Itaparica. Dec. 24, 1913.
D.-1119.



Man with a hoe, practically the only
important use in cleaning orange orchards.
Col. da Costa's place. Dec. 25, 1917. D.-1121.



Dugout canoe, native craft, canoa, at
sea near Itaparica. Dec. 22, 1913. D.-1123.



Fort at point, city of Itaparica from
the sea. Dec. 22, 1913. D.-1124.



Street in Itaparica.
Dec. 22, 1913. D.-1125.



Street seen; mule loaded with water
jugs. Dec. 22, 1913. D.-1126.



Net on pole for picking mangoes.
Dr. Antonio Pin e Almeida's place. Dec.
22, 1913. D.-1128.



Spondias fruits on tree, Dr. Antonio
P. Almeida's place. Dec. 22, 1913. D.-1127.



Catching monkeys picked
with net-bag shown in No.
1128. Dr. Antonio Pinheiro
Almeida's place. Dec. 22,
1913. D.-1129.



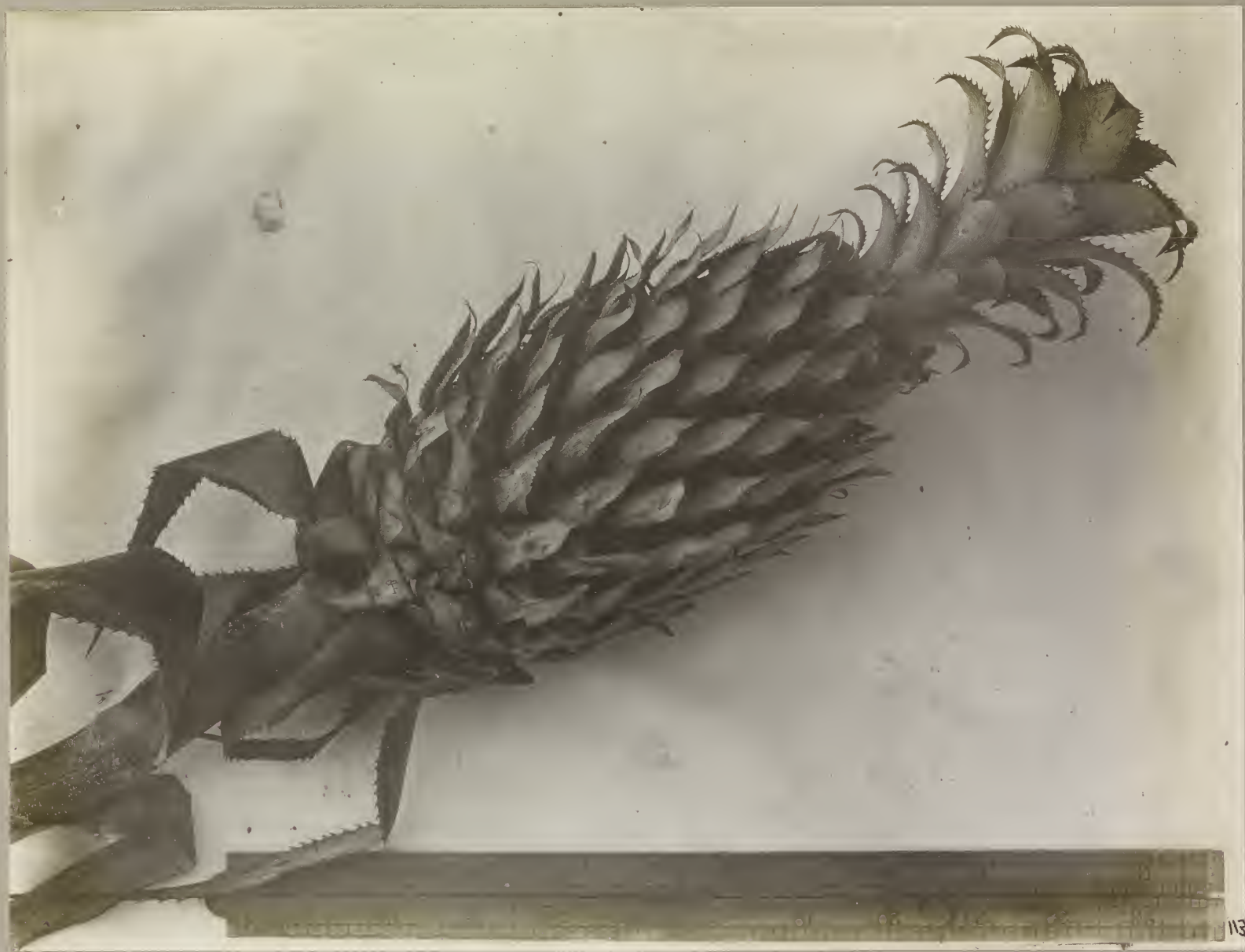
Looking down one of the streets in
Itaparica. Dec. 22, 1913. D.-1131.



Pile of pitanga fruits, *Phyllocalyx lusehnathiana*, natural size, taken at
Rue Victoria 82. The toothpick in front of the plate is $2 \frac{7}{8}$ inches long.
Dec. 21, 1913. D.-1123.



Mangabeira fruits from Col. Demetrio's place, Taken at Rua Victoria 82.
Dec. 21, 1913. D.-1134.



Wild abacaxi from Col. Arzollo's place. Fruit from a plant in the woods,
taken at Rio Victoria 82. Dec. 21, 1915. D.-1136.



Guahiroba from Itaperica, taken at Rua Victoria 82. Dec. 24, 1913. D.-1138.



Large caju from Itaperica, taken at Rua Victoria 42, Dec. 24, 1913. D.-1139.



Cluster of oranges on a tree, Col. de Costa's place.
Dec. 25, 1913. D.-1141.



Plot 2 in Col. da Costa's orchard showing where angola
grass has not been cut. Dec. 25, 1913. D.-1142.



Plot 2 in Col. de Costa's orange orchard showing where
angola grass has been cut. Dec. 25, 1913. D.-1143.



Road through young orchard N. E. of cow barn, Col. da Costa's
place, showing a row of good trees on the left. Manure has been spread.
Dec. 25, 1917. D.-1144.



Row of trees north of barn showing part of barn, Col. de Costa's place. Dec. 25, 1913. D.-1145.



Panorama of grove. 1st section. Col. da Costa's place.
Dec. 25, 1913. D.-1146.



Panorama of grove. Enl. section, Col. da Costa's place.
Dec. 25, 1913. D.-1147.



Young orange trees planted in anacard grass. Col. da Costa's place. Dec. 25, 1913. D.-1148.



Orchard view near cow barn, looking south. Col. da Costa's
Dec. 25, 1913. D.-1149.



Cil nut tree on road up the hill. Col. da Costa's place.
Dec. 25, 1913. D.-1150.



Mr. A. V. Argolloa Ferrao and family, with our party.
Dec. 25, 1913. D.-1153.



Nearby view of two clusters of oil nuts
on trees similar to those shown in No. 115C.
Col. da Costa's place. Dec. 25, 1913. D.-1157.



Nearby view of fruit cluster on manga da rosa. Mr. Argollo's place.
Dec. 26, 1913. D.-1159.



Same as No. 1159, except that the view
was taken from farther away. Dec. 20, 1913.
D.-1160.



Manga da Rosa tree. Mr. Arcollo's place. Dec. 26, 1913. D.-1161.



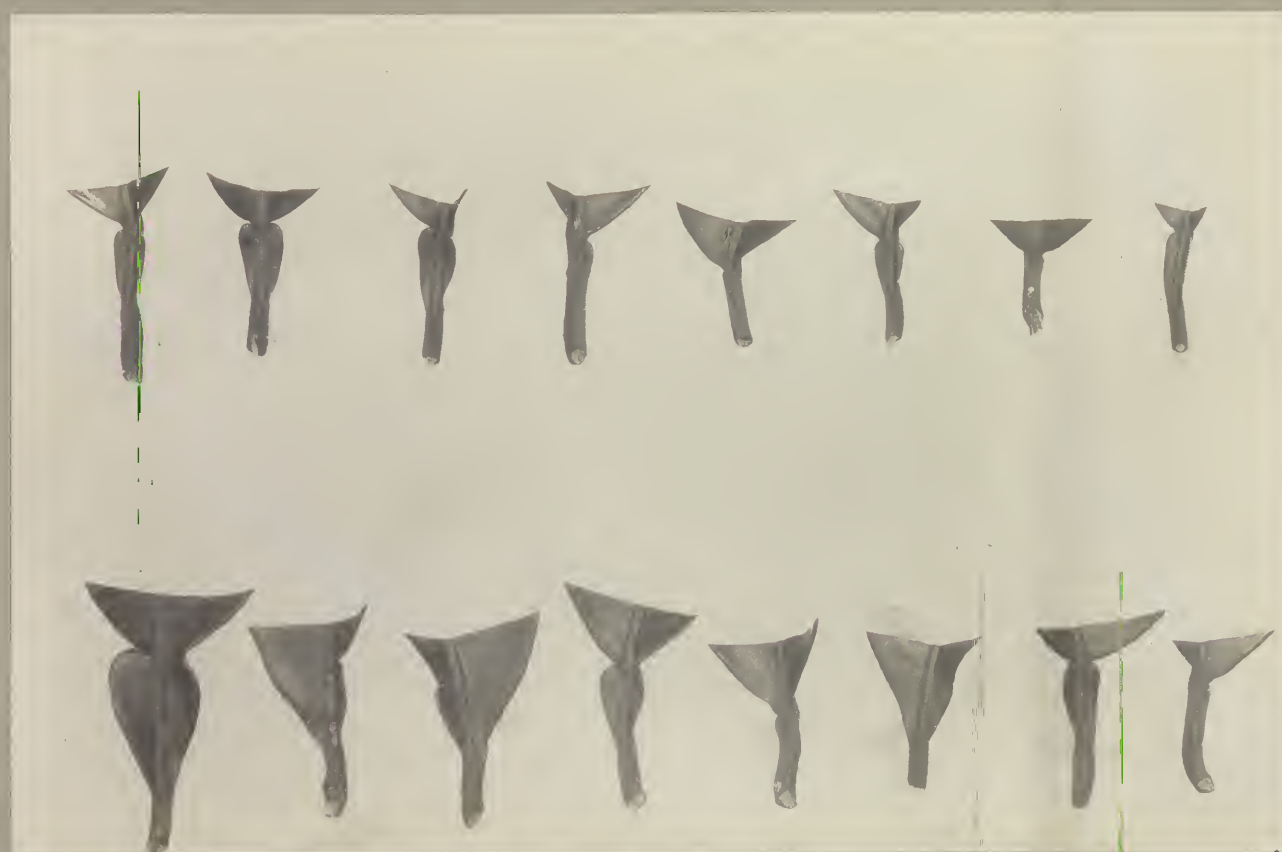
Nearer view of one side of manga da rosa tree
shown in 1161, showing fruiting. Mr. Argollo's place.
Dec. 26, 1913. D.-1162.



Native grove of caju. Mr. Arzollo's place. Dec. 26, 1913. D.-1183.



Group of Dende palms, near Mr. Arsollo's place. Dec. 26, 1913. D.-1164.



Showing leaf and petiole variations in orange leaf, from the same branch. Taken at Rus Victoria 82. Dec. 23, 1913. D.-1165.



Practically the same as No. 1165, showing the leaf and petiole variations of the orange leaf. Dec. 25, 1913. D.-1166.



Leaf and flowers of oil nut from Col. da Costa's place.
Taken at Rua Victoria 82. Dec. 25, 1913. D.-1167.

